Date Date Date Submitted Date by Atlantic by EPA Richfield	EPA Requested Due Date	Atlantic Richfield Estimated Timeframe for Submittal	Work Plan / Document	Amendment / Addendum / Revision No	Author	Recipient Item	Atlantic Richfield US EPA Status Status	US EPA Comment Affantic Richfield Comment
ministrative Order	EVASABLE E	Section Sections	ARTINI CONTRACT					
06/23/08		i serie.	UAG	NA	US EPA	Atlantic Richfield Administrative Order for RI/FS. Leviathan Mine, Alpine County, California: US EPA Region IX. CERCLA Docket No. 2008-18.	Received	
a Quality Objectives	Control (new)		Nasa sa			Response to US EPA and LRWQCB Comments on the		
08/14/15 08/14/14	08/10/15		On-Property / Off- Property / Reference	NA	Atlantic Richfield	US EPA Revised Data Quality Objectives for the On-Property and Reference Study Areas and Updated Cross-Reference Matrix Table	Submitted	
07/10/15			On-Property / Off- Property / Reference	NA.	US EPA	Atlantic Richflield Richtlield Ri	Received	Also requested response to US EPA's 12/26/12 and 11/14/14 letters
02/28/15			On Property / Off- Property / Reference	NÄ	Atlantic Richfield	Revised Data Quality Objectives for the On-Property and US EPA Reference Area Study Areas and Updated Cross-Reference Matrix Table	Submitted	Response to US EPA 11/14/2014 comments
02/28/15	1000		Reference	NA .	Atlantic Rightield	US EPA Revised Reference Area DQOs	Submitted	Submitted with Draft Final Reference Area FRI Work Plan
11/14/14			On-Property / Off- Property / Reference	<u>N</u> A	US EPA	Atlantic Richfield Cross Reference Matrix Comments on Technical Memorandum: Current Data Quality Objectives and Leviathan Mine FRI Work Plan Cross Reference Matrix	Received	
09/05/14			On-Property / Off- Property / Reference	NA .	Atlantic Richfield	US EPA Technical Memorandum Compilation of Data Quality Objectives and Cross Reference Matrix	Submitted	
06/28/13	4		Off-Property	AA	Atlantic Richfield	US EPA Revised Off-Property DOOs	Submitted	Submitted with Revised Off-Property FRI Work Plan Addendum No. 2
12/26/12			Off-Property	NA	US EPA	Attentic Richfrield Revised Off-Property FRI, Work Plan Revised Off-Property FRI, Work Plan	Received	
11/19/12			Off-Property / Reference	NA	Atlantic Richfield	US EPA Revised DQO Summary Tables for On-Property and Reference Study Areas	Submitted	
09/05/12			Melerence	NA .	Atlantic Righfield	US EPA Technical Workshop - DQOs	Conducted	September 5 and 6, 2012
05/13/10			DQO Report	NA	US EPA	Attentic Programmatic DQOs (transmitted with 5/13/10 approval Richfield of PWP)	Received	
04/23/09			DQO Report	NA	US EPA	Approval with Comments for Leviathan Mine DQOs Atlantic Richfield Prepare RI/FS Work Plan Pursuant to Administrative	Received	
10/21/08			DQO Report	NA .	Atlantic Righfield	Order for RVFS US EPA Draft Data Quality Objectives Report: RVFS	Submitted	
gram Work Plan								
Avzirie 1122ine			Ptugram	CIATAB	US EPA		Raceved: RIL- and reverse decorrect a progress	EFA conditionally soproved the IAAPP dated due of 7, 2018, provided EPA comments are addississed. A few of the comments between unaddressed and outlined above. EPAs comments are addississed and outlined above. EPAs conditional approvary remains in place. Within 10 days of 0 or annually 21, 2017. EPA directs APC to provide a line-by-line-feetpones to these unminents and submit or evidend frost hydroid Quarty Assurance Project Plant (DAPP) and De Management Plant (EAAPP) and De Management Plant (EAAPP).
Application of the second of t								Database, the DOOs and the Corresponal Site Model incorporating tiese changes
11/01/16 11/01/16			Program	QAPP	Atlantic Richfield	US EPA Response to EPA comments on PE Samples	Submitted	Email; discussed with US, EPA via telephone o 11/8/16
10/24/16 10/24/16			Program	QAPP	USEPA	Atlantic Rightfield EPA comments on PE Samples	Received	Email
06/17/16 06/17/16	05/27/16		Program	QAPP	Atlantic Richfield	US EPA Remedial Investigation/Feasibility Study Quality Assurance Project Plan, Revision No. 1 [Final]	Submitted US-EPA comments delivered 11/21/16	Includes line by line response to 04/28/16 comments, includes complete set of DQOs as a submittal date.

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04/28/16		04/28/16		Program	QAPP	US EPA	Atlantic Representation Atlantic Richfield Ri/FS Quality Assurance Project Plan (QAPP), Revision No. 1 for the Richfield Levistan Mine Site in Alpine County, California, dated March 9, 2018	ma Received		Conditional approval of RUFS Quality Assurant Project Plan Revision No. 1: Within 30 days requests line by line RTC and revised Final Updated Quality Assurance Project Plan and Data Management Plan along with updated sol
03/09/16	03/09/16		03/09/16	Program	QAPP	Atlantic Richfield	US EPA RI/FS Quality Assurance Project Plan, Revision No. 1	Submitted		includes line-by-line response to 02/09/16 comments.
02/09/16		02/09/16		Program	QAPP	US EPA	Atlantic Richfield Richfie	Received		
02/05/16	02/05/16			Program	QAPP	Atlantic Richfield	US EPA Draft Annotated Revised QAPP TOC and Crosswalk	Submitted		Email; attached files are dated 01/27/16
01/14/16		01/14/16		Program	QAPP	US EPA	Atlantic EPA initial comments on the QAPP and Data Quality Richfield Discussions	Received		Email .
12/14/15	12/14/16			Program	QAPP	Atlantic Richfield	US EPA Quality Assurance Project Plan Revision 1	Submitted	US EPA preliminary comments delivered 01/14/16	Requested by US EPA in 04/01/15 technical meeting to discuss data usability.
05/13/10				Program	PWP	US EPA	Aftantic Approval with Comments and Direction to Implement. 2009 Draft Program Work Plan and Addendum for RVFS	Received		
02/26/10				Program	PWP	US/EPA	Atlantic Schedule for US EPA Comments on 2009 Draft Program Richfield Work Plan and Addendum for RIFS	Received	a a	
11/16/09				Program	Addendum 1	Atlantic Richfield	US EPA Addendum No. 1 to 2009 Draft Program Work Plan for RIJE'S	Submitted		
07/10/09				Program	PWP	Atlantic Richfield	US EPA Draft Ri/FS Program Work Plan	Submitted		
8/24/2016	1	8/24/2016	12	On-Property, Property ar Reference	d Fish TSAP	Atlantic Richfield	US EPA Email FW. NED OK WITH THIS?EPA Conditional Approval on the Fish Sampling TSAP	Submitted		Concurs with ARC's proposed sampling (8/2 email), but notes that timing of sampling inte to ensure comparable results with previous in October because fish feeding behaviours change with season.
8/23/2016	8/23/2016			On-Property, Property, an Reference	G Fish TSAP	Atlantic Richfield	US EPA Email RE, EPA Conditional Approval on the Fish Sampling TSAP	Submitted		Responds to US EPA comments on sampling schedule. Response to reporting schedule submitted in a separate letter on 9/9/16
08/12/16		08/12/16		On-Property, Property, ar Reference	d Fish TSAP	US EPA	EPA Comments ARC Response to Comments (RTC) of Draft On-Property, Off-Property Area, and Reference Allantic Area FRI Work Plans T ask Sampling and Analysis Plan Richfield for Esh Investigation (Draft Enal). Levathan Mine Site. Alpine County, California, Levathan Mine Site, Alpine County, California, Dated June 13, 2016 [sic]	Received		Conditional approval provided comments are addressed and incorporated as described, fridicates work outlined in TSAP should be completed during the 2016 field season. Requests that sampling be conducted in late. September, Requests timely notification of anticipated completion of work. Requests wit report within 90 days of completion of field w.
06/13/16	06/13/16		06/13/16	On Property Property ar Reference	d Fish TSAP	Alaritic Richfield	On-Property Off-Property Area, and Reference Area US EPA FRI Work Plans - Task Sampling and Analysis Plan for Fish Investigations [Draft Final]	Submitted	US EPA comments delivered 08/12/16	Pefore proceeding with specimen collection, Attentio Richfield Company is requesting (in Appendix to Section 4.0) that the U.S. EPA provide written confirmation that the work described in this TSAF is overpor from state a federal permit requirements under CERCLA 4 (12) (e) and that no further consultation with the U.S. Fish and Wildlife Service is required und the Endangered Species Act.
05/13/16		05/13/16		On-Property, Property, at Reference	d Fish TSAP	USEPA	EPA comments on Draft On-Property, Off-Property, and Atlantic Reference Area Focused Remedial Investigation Work Paless—Sask Sarphing and Assiyas Plant for 16th Investigation, Leviathan Mine Site, Alpine County California	Received		Requests line by line RTC and revised and updated SAP within 30 days.
02/05/16	02/05/16		11/13/15 01/29/16	01/29/16 per 11/13/16 extension request: 02/05/16 per 1/27/16 email	d Fish TSAP	Atlantic Richfield	On-Property, Off-Property, and Reference Area FRI Work Plans - Task Sampling and Arealysis Plan for Fish Surveys and Sampling [Draft]	Submitted	US EPA comments delivered 05/13/16	11/13/16 letter to reguest extention to 01/29/1 01/27/16 email to inform need additional weel 02/05/16
12/08/15		12/08/15	al constitution	On-Property, Property, ar Reference	d Fish TSAP	Atlantic Richfield	US EPA Response to Request for Schedule Extension for Fish Sampling Work Plan On-Property, Off-Property, And Reference Area Focused Remedial Investigation Work Plans	Received: responded via email on 12/10/15		US EPA indicates not opposed as long as do not impact RI/FS schedule and its RI and Risk Assessment. Adminic Richfield responsed via email on 12/10/15 explaining rationale for limit of held activities and summittal date for work; Further discussed during 12/10/15 quarterly technical meeting.

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11/13/15	11/13/15	75 4	On-Property, Off- Property, and Reference	Fish TSAP	Atlantic Richfield	Request for Schedule Extension for Fish Sampling Work US EPA Plan On-Property, Off-Property, and Reference Area Focused Remedial Investigation Work Plans	Submitted US EPA comments delivered 12/08/15	Requests extension to 1/29/16, need additiona time to review and evaluate previous investigation results
10/13/15		10/13/15	Requested On Property, Off- 11/13/15 extension to Property, and 01/29/16 Reference	Fish TSAP	USEPA	Atlantic Richfield Request for Fish Sampling Work Plan On Property Off Property and Reference Area Focused Remedial Investigation Work Plans	Received	Requested in US EPA's 10/13/15 letter transmitting comments on the Final BHHRA W Plan
09/09/16	09/09/16		On-Property, Off- Property, and Reference	Piant/Soil TSAP	Atlantic Richfield	US EPA Supplement Plant Data Collection	Submitted	informed US EPA of additional plant data collection (mass and total/inorganic arsenic for three leafly greens) to be performed in late 201
04/08/18	04/08/16		On Property Off 04/09/16 Property and Reference	Plant/Soil TSAP	Atlantic Richfield	On-Property Off-Property Area, and Reference Area US EPA FRI Work Plans Plant and Haostat-Related Soil Investigations [Final]	Submitted Pending US EPA review	Submitted with line-by-line response to 03/06/ domments
03/09/16		03/09/16	On-Property, Off- Property, and I Reference	Ptant/Soil TSAP	US EPA	EPA comments on the Progress Report and Response to Comments on the Draft Final Chi-Property off Droperty and Reference Ares Rocused Remedial investigation (FR) Work Plan – Plant and Habital Related Soil Investigations, Leviathan Mine-Site, Alpine County California, dased November 16, 2015.	Received	Requests line-by-line RTC and revised and updated SAP by April 9, 2016. Directs works to proceed and be completed within 2016 field sampling season.
11/16/15	11/16/15		On-Property, Off- 11/16/15 Property, and Reference	Plant/Soil TSAP	Atlantic Richfield	US SPA Progress Report and Response to Comments on the bright Final On-Property, Off Property and Reference Area Focused Remedial Investigation Work Plan - Plant and Habitat Related Sol Investigations	Submitted	
10/16/15		10/16/16	RTG by On-Property, Off- Property and 11/16/15 Reference	Plant/Soil TSAP	USEPA	Attantic Richfield Property Off-Property and Reference Area FRI Work Plan - Plant and Habitat-Related Soil Investigations	Received	RTC and associated revisions are accepted. Defers to the approved work plan and previous EPA comments and provides additional comment makes several requests.
06/19/15	06/19/15		On-Property, Off- Property, and Reference	Plant/Soil TSAP	Atlantic Richfield	US EPA Reference Area FRI Work Plans – Plant and Habitat: Related Soil Investigations	Submiffed	
06/02/15			On Property Off- Property and Reference	Plant/Soil TSAP	Atlantic Richfield	US Forest Notification of Plant Collection Activities Within the Service Humboldt-Toiyabe National Forest	Submitted	
05/18/15			US EPA requests written response On-Property & Off- writin 30 days or by Property 6/19/15	Plant/Soil TSAP	US EPA	EPA Comments on two separate submittals: the March 20, 2015 Technical Memorandum; Habital Surveys. Atlantic Plant Species, and Study Design for Plant Sampling, and the April 7, 2015 On Property FRI Work Plan and Off Property Area FRI Work Plan Plant and Habitat-Related Soil Investigations	Received	
04/07/15			On-Property & Offi Property	Plant/Soil TSAP	Atlantic Richfield	US EPA Work Plan and UT Property Area FRI Work Plan Plant and Habitat-Related Soit Investigations	Submitted	
02/08/16		02/08/16	On-Property	Optimization	US EPA	Attantic Richfield EPA comments on the Attantic Richfield Response to US EPA September 11, 2015 Comments on Optimization of Select On-Properly Monitoring, dated October 12, 2015		Concurrence
10/12/15	10/12/15		10/12/15 On Property	Optimization	Atlantic Richfleid	US EPA Response to U.S. EPA September 11, 2015 Comments on Optimization of Select Monitoring Programs	Submitted	
09/11/15		09/11/15	RTC by On-Property 10/12/15	Optimization	US EPA	Attactic Richfield EPA comments on the Atlantic Richfield Response to U.S. EPA Comments on Optimization of Select On- Property Monitoring, dated April 24, 2015	Received	
04/24/15			On-Property	Optimization	Atlantic Richfield	US EPA Response to U.S. EPA Comments on Optimization of Select On Property Monitoring Programs	Submitted	
03/26/15			On-Property	Optimization	US EPA	Attantic Richfield EPA comments on Proposed Optimization of Select On- Property Monitoring Programs, letter dated February 4, 2015	Received:	
02/04/15			On-Property	Optimization	Atlantic Richfield	US EPA Optimization of Select On Property Monitoring Programs in 2014)	Submitted	The state of the s
06/17/14			Gri-Property	Optimization	Atlantic Richfield	US EPA Technical Meeting. Optimization of Monitoring Programs and 2014 Field Priorities.	Conducted	
10/13/15		15	Оп-Рторенту	Drilling	Atlantic Richfield	RE EPA Comments to ARC request for US EPA to US EPA reconsider Letter of August 14, 2016 Requesting Continuation of Ri/FS Drilling Program in 2015	Received	E-mail response to 10/08/15 tetter, concurs the should proceed with both reference boreholes and complete L0/0-34 as weather permits and dailing equipment is available.
10/06/15			On-Property	Drilling	Atlantic Richfield	Response to US EPA Email Correspondence of US EPA September 29, 2015 Regarding Rationale for Proposed 2015 Modifications to RiffES Drilling Program	Submitted	US EPA responded by e-mail on 10/13/15.
09/28/15			On-Property	Ordling	US EPA	Allantic Richfield Reconsider Letter of August 14, 2015 Requesting Continuation of RIFS Orilling Program in 2015	Received	E-mail ANSIAN ANSIAN A

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09/18/15			On-Property	Drilling	Atlantic Richfield	US EPA	Response to US EPA Letter of August 14, 2015 Regarding Rationale for Proposed 2015 Modifications to RUFS Drilling Program	Submitted		E-mail
09/08/15			On-Property	Drilling	US EPA	Atlantic Richfield	EPA response to Allantic Richfield's 8/28/15 email responding to Response to US EPA comments on Rationale for Proposed 2015 Modifications to RI/FS Drilling Program	Received		Email
08/28/15		08/28/15	On Property	Drilling	Atlantic Richfield	U.S. EPA	Response to US EPA comments on Rationale for Proposed 2015 Modifications to RI/FS Drilling Program	Submitted		E-mait
08/14/15			On Property	Drilling	USEPA	Atlantic Richfield	EPA Comments on Rationale for Proposed Modifications to RI/FS Drilling Program	Received		
06/26/15			On Property	Drilling	Atlantic Richfield	US EPA	Rationale for Proposed 2015 Modifications to RI/FS Drilling Program	Submitted	A decision of the second of th	
06/12/15			On-Property	Drilling	US EPA	Atlantic Richfield	Leviathan Mine - Drilling Program - EPA comments and request for additional information (email)	Received		Email
06/09/15			On Property	Drilling	Atlantic Richfield	US EPA	Leviathan Mine - Drilling Program (email)	Submitted		Transmits table and figure showing proposed drilling locations for 2015 E-mail:
12/18/14	100		On-Property	Drilling	Atlantic Richfield	US EPA	2014 Drilling Postponement Rationale	Submitted	No pending action. ARC an August 14, 2015 smail from Lynds to Tony agreeing that Pit wells are not currently needed and requesting that discussion and ARC actions and ARC actions and the polymer of the Pit that ARC had requested to remove from the drilling program.	
08/01/13			On Property	Drilling	Atlantic Richfield	US EPA	Technical Meeting, 2013 RI/FS Drilling Program	Conducted		
12/05/17	12/05/17	None	On-Property,	Amendment 12	US EPA	-Atlantic Richheid	Einal FW. Levistheri Miro - Information Regarding Revegetation Treatability Study Baseline Soil Sampling In ACSA	Received in progress	Please provide additional definits (i.e. prior helative to other hydroambor firmings, and maning as alle features to support from ARC conducted that these property above do not ment fallow up a investigation.	
06/01/15 06/01/16		05/28/16	On-Properly	Amendment 12	Atlantic Richfield	USEPA	On Property FRI Work Plan Amendment No. 12 - ISAP or Hydrocarbon Investigation (Draft Final)	Submitted	Pending US EPA review	Submitted with line-by-line response to 04/29 portments
04/29/16	04/29/16		On-Property	Amendment 12	USEPA	Atlantic Richfield	EPA Comments on Atlantic Richfield Draft On-Property Focused Remedial investigation Work Plan Amendment No. 12 – Task Sampling and Analysis Plan for Hydrocarbon Investigation, Leviarhan Mine Site. Alpine County, California, dated Fabruary 26, 2016	Received		Requests line-by-line RTC and revised SAP b 05/28/16: Directs works to proceed and be completed within 2016 field sampling season
02/26/16 02/26/16		01/30/16	On Property	Amendment 12	Atlantic Richfield	US EPA	On-Property FRI Work Plan Amendment No. 12 TSAP for Hydrocarbon Investigation	Submitted		Atlantic Richfield agreed to prepare work plan during a 10/14/14 telephone call
06/14/16	06/14/16		Qs-Property	Amendment 11	JS:EPA	Alianic Richfield	Email FVV, EPA Approval Americinent No. 11 Auak Ponding Near Leviathan Creek TSAP	Received, reed to provide DPZ info@nation		Requests information on the four drave-point perprinators that US 6PA requested to be installed along the west bank of Levigthan Cro No due date provided.
05/06/16 05/06/16		Not requested	On-Property	Amendment 11	Atlantic Richfield	US EPA	On-Property FRI Work Plan Amendment No. 11 - TSAP for Surface 'Water/Groundwater Interaction Investigation near Acidic Pond and Leviathan Creek [Final]	Submitted		No revision requested; however, submitted as final to include additional requested drive poir piezometer pairs and make correction regard installation of data loggers/transducers
02/26/16	02/26/16		On Property	Amendment 11	US EPA	Atlantic Richfield	Draft Final Amendment No. 11 - TSAP for investigation of Ponding Near Leviathan Cheek. Leviathan Mine Site. Alpine. County. California. dated February 22, 2015 [sic]	Received		Approves Atlantic Richfield to procede with the work as outlined and directs installation of drapoint piezometers pairs at four more locations
02/22/16 02/22/16			On Property	Amendment 11	Atlantic Richfield	US EPA	On-Property FRI Work Plan Amendment No. 11 - TSAP for Surface Water/Groundwater interaction investigation near Acidic Pond and Levielhan Creek [Draft Final]	Submitted		Submitted with line-by-line RTC to 91/22/16 comments
01/22/16	01/22/16		On Property	Amendment 11	USEPA	Atlantic Richfield	EPA Comments on Amendment No. 11 - TSAP for investigation of Ponding Near Leviathan Creek, Leviathan Mine Site, Alpine County, California, dated September 20, 2015	Received		US EPA requests line-by-line response to comments and revised TSAP by 02/19/16
09/20/15 09/20/15			On-Property	Amendment 11	Atlantic Richfield	US EPA	On-Property FRI Work Plan Amendment No. 11 - TSAP- fur Investigation of Panding Near Levarthan Creek	Submitted	Comments delivared 01722/16	Approves the Revision 3 workplan with addition comments. Atlantic Richfield to provide an updated schedule and any final workplan
05/18/16	05/18/16		On Property	Amendment 10	US EPA	Atlantic Richfield	EPA Approval of Atlantic Richfield's [sic] Company's On- Property FRI Work Plan Amendment No. 10, Revision 3, Final, dated September 30, 2015	Received		modifications for the 2016 field season based preliminary evaluation of stream sediment and floodplain soil sampling results, indicates comments on the 04/15/16 submission will be provided under separate cover.

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12/21/15	12/21/15	On-Property	Amendment 10	US EPA	Atlantic Richfield & Others	2015/2016 El Niño Contingency Plan [Final]	Received		
12/02/15	12/02/15	On-Property	Amendment 10	Atlantic Richfield	US EPA	Suggested edits to Final Draft El Niño Contingency Plan	Submitted		Discussed during 12/10/15 quarterly technical- meeting, Greg Reller and Bob Starr discussed pitteria for changes in water quality after the meeting.
11/30/15	11/30/15	On-Property	Amendment 10	USEPA	Atlantic Richfield & Others	El Niño Contingency Plan (Final Draft)	Received		
11/23/15	11/23/16 11/23/16	On-Property	Amendment 10	Atlantic Richfield	US EPA	Response to US EPA comments on El Niño Contingency Plan provided by email on 11/23/15	Submitted	Comments delivered via email on 11/30/15	
11/17/15	11/17/15	On-Property	Amendment 10	Atlantic Richfield	US EPA	Comments on U.S. EPA's Et Niño Contingency Plan	Submitted	Responded via email on 11/23/15	
10/20/15		On Property	Amendment 10	US EPA		EPA Comments on Field Memorandum for Phase 2 Characterization of Beaver Dam Mud. On Property Reach of Leviathan Creek, Dated October 13, 2015	Received		Approved, directs ARC to ensure sampling completed during 2015 season.
10/19/15		On-Property	Amendment 10	Atlantic Richfield	US EPA	Winter Monitoring Plan for Beaver Dam/Porid Complex in the On-Property Reach of Leviathan Creek	Submitted		
10/13/15		On Property	Amendment 10	Atlantic Richfield	US EPA	Field Memorandum for Phase 2 Characterization of Beaver Dam Mud. On Property Reach of Leviathan Greek	Submitted		1

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